



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY. DOCKET NO.
890050.449

APPLICATION NO.
10/717,831

APPLICANTS

Hironori Kakiuchi et al.

FILING DATE

November 20, 2003

GROUP ART UNIT

1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	AA	3,959,799	05/25/76	Gambino et al.	346	135	
W	AB	4,357,616	11/05/82	Terao et al.	346	135.1	
W	AC	4,405,706	09/20/83	Takahashi et al.	430	271	
W	AD	4,477,819	10/16/84	Lee et al.	346	76 L	
W	AE	4,500,889	02/19/85	Wada et al.	346	1.1	
W	AF	4,529,991	07/16/85	Wada et al.	346	76 L	
W	AG	4,587,533	05/06/86	Nakane et al.	346	135.1	
W	AH	4,609,611	09/02/86	Sigyo et al.	430	270	
W	AI	4,647,947	03/05/87	Takeoka et al.	346	135.1	
W	AJ	4,670,345	06/02/87	Morimoto et al.	428	411.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
W	AK	1330368 A	01/09/02	China (with English abstract)		
W	AL	1365108 A	08/21/02	China (with English abstract)		
W	AM	0350078 A1	01/10/90	EP		
W	AN	0474311 A1	03/11/92	EP		
W	AO	0822543 A1	02/04/98	EP		
W	AP	0947351 B1	09/25/02	EP		
W	AQ	0978831 A2	02/09/00	EP		
W	AR	1028421 A2	08/16/00	EP		
W	AS	1139340 B1	06/16/04	EP		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

W AT Inoue, H., et al., "Inorganic Write-Once Disc for High Speed Recording," Jpn. J. Appl. Phys. Vol. 42, part 1, no. 2B, pp. 1059-1061, February 2003.

EXAMINER

DATE CONSIDERED

5/21/07

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<i>W</i>	BA	4,682,321	07/21/87	Takaoka et al.	369	284	
<i>W</i>	BB	4,771,413	09/13/88	Nago	369	109	
<i>W</i>	BC	4,772,897	09/20/88	Ohkawa	346	135.1	
<i>W</i>	BD	5,194,363	03/16/93	Yoshioka et al.	430	271	
<i>W</i>	BE	5,208,088	05/04/93	Tominaga et al.	428	64	
<i>W</i>	BF	5,297,132	03/22/94	Takano et al.	369	284	
	BG	5,325,351	06/28/94	Uchiyama et al.	369	275.1	
	BH	5,328,813	07/12/94	Strandjord et al.	430	321	
	BI	5,401,330	03/28/95	Saito et al.	136	259	
	BJ	5,414,451	05/09/95	Sugiyama et al.	347	258	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>W</i>	BK	1154413 A2	11/14/01	EP		
<i>W</i>	BL	1215669 A2	06/19/02	EP		
<i>W</i>	BM	1351230 A2	10/08/03	EP		
<i>W</i>	BN	2336463	10/20/99	GB		
<i>W</i>	BO	48- 38 000038	01/05/73	JP		
<i>W</i>	BP	03-005929	01/11/91	JP (with English abstract)		
<i>W</i>	BQ	03-258590	11/18/91	JP (with English abstract)		
<i>W</i>	BR	05-159358	06/28/93	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	BS		Narumi, K. et al., "45 GB Rewritable Dual-Layer Phase-Change Optical Disk with a Transmittance Balanced Structure," Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202-203.
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
hr	CA	5,458,941	10/11/95	Hintz	428	64.4	
q	CB	5,459,018	10/17/95	Akahira	430	270	
hr	CC	5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
ur	CD	5,656,370	08/12/97	Murakami et al.	428	332	
u	CE	5,818,808	10/06/98	Takada et al.	369	116	
u	CF	5,871,881	02/16/99	Nishida et al.	430	270.11	
ar	CG	5,912,104	06/15/99	Hirotsune et al.	430	270.13	
hr	CH	5,948,496	09/07/99	Kinoshita et al.	428	64.1	
hr	CI	5,949,747	09/07/99	Miyashita et al.	369	54	
hr	CJ	5,958,649	09/28/99	Hirotsune et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
hr	CK	05-342631	12/24/93	JP (with English abstract)		
hr	CL	05-342635	12/24/93	JP (with English abstract)		
hr	CM	10-076755	03/24/98	JP (with English abstract)		
hr	CN	1-270528	10/27/89	JP (with English abstract)		
hr	CO	2000-187884	07/04/00	JP (with English abstract)		
hr	CP	2000-222764	08/11/00	JP (with English abstract)		
hr	CQ	2000-285509	10/13/00	JP (with English abstract)		
hr	CR	2000-297365	10/24/00	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

hr	CS	Nikkei Electronics, May 12, 2003, pp. 119-133. (in Japanese)
EXAMINER	<i>[Signature]</i>	DATE CONSIDERED <i>8/21/00</i>

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DA</i>	DA	6,033,752	03/07/00	Suzuki et al.	428	64.1	
<i>DB</i>	DB	6,096,399	08/01/00	Yoshinari et al.	428	64.1	
<i>DC</i>	DC	6,111,851	08/29/00	Ohki et al.	369	286	
<i>DD</i>	DD	6,143,469	11/07/00	Ohta et al.	430	270.13	
<i>DE</i>	DE	6,210,860	04/03/01	Fukano et al.	430	270.12	
<i>DF</i>	DF	6,231,945	05/15/01	Miyamoto et al.	428	64.1	
<i>DG</i>	DG	6,245,404	06/12/01	Saito et al.	428	64.1	
<i>DH</i>	DH	6,254,966	07/03/01	Kondo	428	156	
<i>DI</i>	DI	6,266,299	07/24/01	Oshima et al.	369	13	
<i>DJ</i>	DJ	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
<i>DK</i>	DK	6,333,913	12/25/01	Yoshinari et al.	369	283	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
					YES NO
<i>DL</i>	DL	2001-101709	04/13/01	JP (with English abstract)	
<i>DM</i>	DM	2001-222819	08/11/01	JP (with English abstract)	
<i>DN</i>	DN	2001-266402	09/26/01	JP (with English abstract)	
<i>DO</i>	DO	2001-322357	11/20/01	JP (with English abstract)	
<i>DP</i>	DP	2002-120458	04/23/02	JP (with English abstract)	
<i>DQ</i>	DQ	2002-269808	09/20/02	JP (with English abstract)	
<i>DR</i>	DR	2002-329348	11/15/02	JP (with English abstract)	
<i>DS</i>	DS	2003-105738	04/09/03	JP (with English abstract)	
<i>DT</i>	DT	2003-178448	06/27/03	JP (with English abstract)	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	<i>Rept</i>	DATE CONSIDERED <i>8/21/03</i>

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EA	6,355,326	03/12/02	Lee et al.	428	64.1	
EB	6,404,712	06/11/02	Lee et al.	369	47.53	
EC	6,404,713	06/11/02	Ueki	369	47.53	
ED	6,416,837	07/09/02	Kojima et al.	428	64.1	
EE	6,528,138	03/04/03	Meinders et al.	428	64.1	
EF	6,551,679	04/22/03	Kuroda et al.	428	64.1	
EG	6,608,799	08/19/03	Hozumi	369	13.26	
EH	6,611,481	08/26/03	Koishi et al.	369	47.53	
EI	6,636,477	10/21/03	Miyamoto et al.	369	286	
EJ	6,656,559	12/02/03	Mizushima et al.	428	64.1	
EK	6,660,451	12/09/03	Sakaue et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
				YES NO
EL	2003-260874	09/16/03	JP (with English abstract)	
EM	2003-326848	11/19/03	JP (with English abstract)	
EN	2003-054135	02/26/03	JP (with English abstract)	
EO	2004-158134	06/03/04	JP (with English abstract)	
EP	2004-039177	02/08/04	JP (with English abstract)	
EQ	2004-087073	03/18/04	JP (with English abstract)	
ER	3-49054	03/01/91	JP (with English abstract)	
ES				

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<i>W</i>	FA	6,670,014	12/30/03	Nishihara et al.	428	64.1	
<i>W</i>	FB	6,751,184	06/18/04	Kojima et al.	369	275.2	
<i>W</i>	FC	6,788,635	09/01/04	Aratani et al.	369	100	
<i>W</i>	FD	6,791,926	09/14/04	Furumiya et al.	369	53.13	
<i>W</i>	FE	6,805,935	10/19/04	Ashida et al.	428	64.1	
<i>W</i>	FF	6,807,142	10/19/04	Nagata et al.	369	275.2	
<i>W</i>	FG	6,841,218	01/11/05	Hosoda et al.	428	64.1	
<i>W</i>	FH	6,929,840	08/16/05	Hosoda et al.	428	64.1	
<i>W</i>	FI	6,982,111	01/03/06	Mizushima et al.	428	64.1	
<i>W</i>	FJ	6,996,055	02/07/06	Mishima et al.	369	283	
<i>W</i>	FK	7,002,887	02/21/06	Kakiuchi et al.	369	59.12	

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					YES	NO
<i>W</i>	FL	4-298389	10/22/92	JP (with English abstract)		
<i>W</i>	FM	54-133134	10/16/79	JP (with English abstract)		
<i>W</i>	FN	56-124134	09/29/81	JP (with English abstract)		
<i>W</i>	FO	57-027788	02/18/82	JP (with English abstract)		
<i>W</i>	FP	59-225992	12/19/84	JP (with English abstract)		
<i>W</i>	FQ	60-160036	08/21/85	JP (with English abstract)		
<i>W</i>	FR	60-219097	11/01/85	JP (with English abstract)		
<i>W</i>	FS	6-171236	06/21/94	JP (with English abstract)		

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W	GA	7,018,694	03/28/06	Hosoda et al.	428	64.1	
W	GB	7,142,496	11/28/06	Miyagawa et al.	369	59.11	
W	GC	7,167,431	01/23/07	Miura et al.	369	59.11	
W	GD	2001/0012257	08/09/01	Suzuki et al.	369	94	
W	GE	2001/0017833	08/30/01	Yamada et al.	369	59.11	
W	GF	2001/0041304	11/15/01	Uno et al.	430	270.13	
W	GG	2001/0044073	11/22/01	Fukano et al.	430	270.12	
W	GH	2002/0060979	05/23/02	Tsukuda et al.	369	275.4	
W	GI	2002/0076646	06/20/02	Zhou et al.	430	270.13	
W	GJ	2002/0110063	08/15/02	Yamada et al.	369	47.39	
W	GK	2002/0160306	10/31/02	Hanaoka et al.	430	270.13	
W	GL	2003/0086359	05/08/03	Lee et al.	369	275.3	
W	GM	2003/0134229	07/17/03	Yasuda et al.	430	270.13	
W	GN	2003/0165111	09/04/03	Flynn	369	288	
W	GO	2003/0224215	12/04/03	Kondo et al.	428	694 ML	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
W	GP	62-204442	09/09/87	JP (with English abstract)		
W	GQ	62-226440	10/05/87	JP (with English abstract)		
W	GR	62-226442	10/08/87	JP (with English abstract)		
W	GS	62-245545	10/26/87	JP (with English abstract)		

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<i>ur</i>	HA	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
<i>ur</i>	HB	2004/0001418	01/01/04	Shinotsuka et al.	369	111	
<i>ur</i>	HC	2004/0013069	01/22/04	Uno et al.	369	59.11	
<i>ur</i>	HD	2004/0018334	01/29/04	Nee	428	64.1	
<i>ur</i>	HE	2004/0027652	02/12/04	Erdogan et al.	359	359	
<i>ur</i>	HF	2004/0052176	03/18/04	Narumi et al.	369	47.39	
<i>ur</i>	HG	2004/0241581	12/02/04	Kakiuchi et al.	430	270.12	
<i>ur</i>	HH	2005/0018590	01/21/05	Inoue et al.	369	275.2	
<i>ur</i>	HI	2005/0018591	01/27/05	Inoue et al.	369	275.2	
<i>ur</i>	HJ	2005/0018592	01/27/05	Inoue et al.	369	275.2	

FOREIGN PATENT DOCUMENTS

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					YES	NO
<i>ur</i>	HK	6-262854	09/20/94	JP (with English abstract)		
<i>ur</i>	HL	7-235465	09/05/95	JP (with English abstract)		
<i>ur</i>	HM	9-007176	01/10/97	JP (with English abstract)		
<i>ur</i>	HN	01/93256 A1	12/06/01	WO (with English abstract)		
<i>ur</i>	HO	02/29787	04/11/02	WO (with English abstract)		
<i>ur</i>	HP	03/025924	03/27/03	WO (with English abstract)		
<i>ur</i>	HQ	1122723 A1	08/08/01	EP		
<i>ur</i>	HR	10-143919	05/29/98	JP (with English abstract)		
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W	IA	2005/0047301	03/03/05	Inoue et al.	369	94	
W	IB	2005/0047302	03/03/05	Inoue et al.	369	94	
W	IC	2005/0047303	03/03/05	Inoue et al.	369	94	
W	ID	2005/0047304	03/03/05	Inoue et al.	369	94	
W	IE	2005/0047305	03/03/05	Inoue et al.	369	94	
W	IF	2005/0047306	03/03/05	Inoue et al.	369	94	
W	IG	2005/0048249	03/03/05	Inoue et al.	428	64.4	
	IH						
	II						
	IJ						

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					YES	NO
	IK					
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	IQ					
	IR					

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